

VOLOGDIN, I.V.; IVLEVA, M.K.

Increasing the productivity in welding pipelines. Biul.tekh.
inform.po stroi. 5 no.9:17-19 S '59. (MIRA 12:12)
(Gas pipes--Welding)

BONDIN, Ivan Nikolayevich; VOLOGDIN, I.V., inzh., retsenzent; DUMOV, S.I., inzh., red.; KUREPINA, G.N., red.izd-va; POL'SKAYA, R.G., tekhn. red.

[Quality control of weld joints and structures] Kontrol' kachestva svarnykh soedinenii i konstruktsii. Moskva, Mashgiz, 1962. 158 p. (MIRA 15:6)

(Welding--Quality control)

KOLOGIN, I. V.

135-58-5-1/17

AUTHORS: Benua, F.F., Candidate of Technical Sciences, Vologdin, I.V., Engineer and Katler, A.I., Candidate of Technical Sciences.

TITLE: Study of the Effect of Vibration on the Crystallization and Structure of Metal Welded-on by the Slag-Bath Method
(Issledovaniye vliyaniya vibratsii na protsess kristallizatsii i strukturu naplavlennogo metalla pri vanno-shlakovoy svarke)

PERIODICAL: Svarochnoye Proizvodstvo, 1958, Nr 5, pp 1-5 (USSR)

ABSTRACT: The problem of preventing hot cracks and obtaining fine-grained equiaxial structures of weld metal in electric slag welding processes is only partially solved. The data provided by different investigators [Ref. 1 - 8] indicates that the effect of vibration on the crystallization process depends on the frequency of vibration. Other investigations [Ref. 9 - 11] confirmed the assumption. In 1956-57, the authors of this article carried out experiments with vibration frequencies of 25 to 50 cycles/sec. The techniques and results are given in detail. The vibration device is described and shown in a schematic drawing. The results of the experiments indicate that vibration in a low-frequency range

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135-58-5-1/17

Study of the Effect of Vibration on the Crystallization and Structure
of Metal Welded-on by the Slag-Bath Method

of 1,500 to 2,000 cycles/min, applied to the weld metal during the entire crystallization period, breaks large dendrites into small. Differently directed, it compresses the metal, reduces the size of grains, and essentially increases impact resistance.

There are 5 figures, 2 tables and 12 references, 11 of which are Soviet and 1 English.

ASSOCIATION: Leningradskiy institut inzhenerov vodnogo transporta (Leningrad Water-Transport Engineering Institute)

AVAILABLE: Library of Congress

Card 2/2

TETERIV, Mikhail Nikolayevich; KLYUYEV, Yuriy Vladimirovich;
VOLOGDIN, L.A., inzh., retsenzent; KONYAYEV, V.G., inzh.,
retsenzent; MILOKHOV, A.A., inzh., retsenzent; UGRYUMOV,
G.A., inzh., retsenzent; KIMEL'NITSKIY, L.I., inzh., red.
VOROTNIKOVA, L.F., tekhn. red.

[Mechanization of the intrastation conveying of documents]
Mekhanizatsiia vnutristantsionnoi peresylki dokumentov. Mo-
skva, Transzheldorizdat, 1962. 68 p. (MIRA 15:7)
(Railroads--Stations) (Pneumatic-tube transportation)

21

PROCESSING AND PROPERTY NOTES

VOLOGDIN, M. [V.]

The causes of self-ignition of Przhnev coals. M. Vologdin, H. A. Kamendrovskii and M. Ya. Dobkin. *Ugol Vostochna (Eastern Coal)* 5, No. 10, 24(1963).—The self-ignition properties of coal depend apparently on their adsorption and reducing properties. These are detd. as follows: The coal is ground and screened through 148 mesh per sq. cm. One g. coal (dry basis) is mixed in a 200-cc. Erlenmeyer flask with 75 cc. 0.1% soln. of $FeCl_3$ for 5 min., left to settle for 1 hr. and 25 min. and filtered. The first 10 cc. is discarded, while from the remaining portion two portions of 25 cc. each are drawn off with a pipet, first for the detn. of the reduced and the second for total Fe, the Fe being titrated with $KMnO_4$, a Rheinhardt soln. and diphenylamine indicator (0.2 g. in 100 cc. strong H_2SO_4). Fe^{3+} in the second portion is reduced with $SnCl_2$ to Fe^{2+} and the $FeCl_3$ detd. The difference between the second and the total Fe introduced into the 75 cc. constitutes the amount of adsorbed Fe. A. A. B.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

62

VOLOGDIN, M.V.										21									
										<small>PROCESSES AND PROPERTIES INDEX</small>									
<p>A method for the determination of the degree of oxidation of coal. M. V. Vologdin and E. A. Kanenkovskaya. Khim. Tveretskoye Pribl. 7, 22-31(1939). (<i>Chem. Zentr.</i>, 1937, II, 3449; cf. C. A. 32, 6184.) — Classification of coals by the adsorption method of Stadnikov-Protegov-Njankowskaja (shaking with 0.5% FeCl₃ soln., addn. of KI soln. to the filtrate and titration with thiosulfate) disac-</p> <p>tards the partial reduction of the ferric Fe to ferrous. Ac-</p> <p>cording to the large amts. of the FeCl₃ are reduced by the coal</p> <p>brown coals having greater reducing power than mineral</p> <p>coals. A definite relation exists between the reducing and</p> <p>absorbing powers of coals and their org. content. One g. (dry wt.) of screened coal (1480 mesh per sq. cm.) is shaken 5 min. with 75 cc. of 0.1% FeCl₃ soln. and after 1 hr. and 25 min. filtered. Ferrous Fe is detd. in 25 cc. of filtrate by titration with 0.01 N KMnO₄ and Reinhardt soln. (diphenylamine as indicator). In another 25-cc. portion of filtrate the ferric Fe is first reduced with SnCl₂ and the Fe then detd. as above. The difference represents the Fe which had been oxidized. In this manner the re-</p>										<p>duction no. (I) and the adsorption no. (II) of the coals were detd., i. e., the amts. of Fe reduced or adsorbed by 1 g. of coal under the given conditions. Mineral coals show low values for I, brown coals high values. However, readily oxidizable mineral coals show high values of I; a low heating value corresponds to a high I. The ash content of the coal is without influence on the I. Oxidized coals (woody coals or those which slack readily in the air) show no reduction value. The II increases in proportion to the quality of the coal, i. e., the increase in C content. The I characterizes the chem. stability and the II the phys. condition of the coals. Oxidized mineral coal shows a high II and does not reduce Fe; as regards brown coal, this question is still open.</p> <p style="text-align: right;">M. G. Moore</p>									
<small>ADDITIONAL LITERATURE CLASSIFICATION</small>																			

COMMON ELEMENTS		PROCESSES AND PROPERTIES INDEX	
VOLOGDIN, M.V.		21	
<p>Coal of the Khramtsovo area of the Cherepukhovo deposit. M. V. Vologdin, <i>Khim. Tverogo Topisa</i> 8, 311-24(1937). Analyses are given. A. A. Podgorny</p>			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>			

VOLOGDIN, S.

Stronger than steel. NTO 6 no.5141-43 My '64. (MIRA 17:8)

1. Spetsial'nyy korrespondent zhurnala "Nauchno-tekhnicheskiye obshchestva SSSR".

(A) L 13267-66 EWP(e)/EWT(m)/EWP(w)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c)

ACC NR: AP6001478 JD/WW/DJ/WH

SOURCE CODE: UR/0226/65/000/012/0079/0082

AUTHOR: Chayka, B. I.; Fedorchenko, I. M.; Vologdin, V. V.

ORG: Institute of Materials Research, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR); Scientific Research Institute of High-Frequency Currents (Nauchno-issledovatel'skiy institut tokov vysokoy chastoty)

TITLE: Sintering of powdered-metal piston rings by means of induction heating

SOURCE: Poroshkovaya metallurgiya, no. 12, 1965, 79-82

TOPIC TAGS: powder metal, antifriction material, piston ring, powder metal sintering, induction furnace, pearlite

ABSTRACT: The Institute of Materials Research AN UkrSSR has developed a Fe-base antifriction material (1.35% graphite, 2% Cu, 4% ZnS) for the production of piston rings for internal combustion engines. When sintered in an electric muffle furnace at 1180°C for 2 hr, these powdered-metal rings are 1.5 times as strong and elastic as rings of gray cast iron. To speed up the sintering process, the rings began to be sintered in an L3-13 induction heating installation, (10 kw) at a frequency of 300-450 cps in an air atmosphere, on optimizing the graphite content of the charge (1.5-1.75%) so as to assure obtaining a material with wear-resistant pearlitic structure. It was ex-

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ACC NR: AP6001478

perimentally established that the optimal sintering time is 35-40 sec ($I_{\text{system}} = 0.2 \text{ a}$,
 $I_{\text{anode}} = 0.9 \text{ a}$, $U_{\text{heater}} = 7 \text{ v}$). Orig. art. has: 2 tables, 4 figures.

SUB CODE: 11, 20/ SUBM DATE: 12May65/ ORIG REF: 003/ OTH REF: 000

Card

2/2

STARODUBOV, K.F., akademik; VOLOGDIN, V.V., inzh.; KHARCHENKO, P.F., kand.-
ekonomicheskikh nauk

Effectiveness of the use of induction heating for the heat
treatment of rolled ferrous metal products. Trudy Inst.
chern. met. AN URSR 18:3-10 '62. (MIRA 15:9)

1. Akademiya nauk UkrSSR (for Starodubov).
(Induction hardening)

Vologdin, Vs. V.

VOLOGDIN, Vs. Valentinovich; FOGEL' A.A., redaktor.

[Transformers for high-frequency heating] Transformatory dlia vysokochastotnogo nagreva. Pod red. A.A. Fogelia. Leningrad, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry [Leningradskoe otd-nie] 1954. 41 p. (MLRA 8:5)
(Electric transformers) (Electric heating)

~~1.10000111~~ Karyolov, Valentinovich; SLUKHOTSKIY, Aleksandr Yevgen'yevich;
DONSKOY, A.V., profesor, doktor tekhnicheskikh nauk, korespondent;
FOGEL', A.A., kandidat tekhnicheskikh nauk, redaktor; SPITSYU, I.A.,
kandidat tekhnicheskikh nauk, redaktor; SLUKHOTSKIY, A.Ye., kandi-
dat tekhnicheskikh nauk, redaktor; GLUKHANOV, N.P., kandidat tek-
nicheskikh nauk, redaktor; BAMUNER, A.V., inzhener, redaktor;
VASIL'YEV, V.P., redaktor izdatel'stva; SPERANSKAYA, L.V., tek-
nicheskiiy redaktor

[Transformers for high-frequency heating] Transformatory dlia
vysokochastotnogo nagreva. Pod red. A.A.Fogelia. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 79 s. (Biblioteka
vysokochastotnika-termista, no.7) (MLRA 10:11)
(Induction heating) (Electric transformers)

SOV/137-58-10-21278

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 119 (USSR)

AUTHOR: Vologdin, V. V.

TITLE: High-frequency Transformers for Induction Heating (Transformatory povyshennoy chastoty dlya induktsionnogo nagreva)

PERIODICAL: V sb.: Prom. primeneniye tokov vysokoy chastoty. Riga, 1957, pp 295-303

ABSTRACT: Bibliographic entry

1. Induction heating--Equipment 2. Transformers--Applications

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SOV/142-2-1-20/22

28(1)

AUTHOR:

Vologdin, V.V.

TITLE:

A Conference on Electrical Food Processing Methods
(Konferentsiya po elektricheskim metodam obrabotki
pishchevykh produktov)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy - radiotekhnika, 1959, Vol 2, Nr 1, pp 120-121 (USSR)

ABSTRACT:

A conference on electrical food processing methods was held in Kiyev from 7 to 13 October 1958. The conference was organized by the Kiyevskiy tekhnologicheskii institut pishchevoy promyshlennosti USSR (Kiyev Institute of Technology of the Food Industry UkrSSR). The conference comprised a wide range of problems and the novelty of the subjects caused great interest of workers from scientific institutions and industrial installations. The 350 delegates came from 60 towns of the USSR; 119 participants were sent to the conference from vuzes and scientific research institutes. At the conference, more than 50 reports were delivered and discussed,

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A Conference on Electrical Food Processing Methods

dealing with problems of applying electrostatic fields, direct current, low frequency current, high frequency current, infrared and ultraviolet radiation, X-ray and gamma radiation for processing food products. Also statements were made concerning the application of ultrasound oscillations in the food industry. Considerable attention was devoted to the application of TVCh (tok vysokoy chastoty = high frequency current) for technological purposes, particularly for processing non-conductive materials in an electric high frequency field. More than 20 reports and statements were delivered on this subject, dealing with theoretical and technological problems. For example: "The Electrical Properties of Some Food Products in High Frequency Field" by S.N. Andreyev, V.N. Kudin, A. V. Netushil (Moscow); "Active Losses in Food Products" by I.S. Pavlov (Kiyev); "The Electrical Properties of Milk" by Yu.E. Nedzvetskiy (Leningrad); "A Continuous Automatic High Frequency

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Sterilizer for the Sterilization of Fruit Conserves on a Conveyer" by N.D. Chernyayev (Moscow); "The Defrosting of Spiced Sprats by High Frequency Currents" by V.N. Podsevalov (Astrakhan); "The High Frequency Boiling of Electrically Smoked Fish" by A.I. and M.I. Kalitina and I.S. Pavlov (Kiyev); "The Technological Peculiarities of Processing Sausage Products by High Frequency Currents" by N. N. Shishkina (Moscow). At the conference, the following reports were heard with great interest and were discussed in detail: "The Application of Infrared Heating for Drying of Confectionery Products" by N.B. Belostotskiy (RIGA); "The Technological Principles of the Hot Electrical Fish Smoking Process" by A.I. and M.I. Kalitina and Ye.P. Naumov (Kiyev); "A New Fish Processing Technology and the Processing of Sardines and Sprats With the Application of Infrared Light and Smoking Liquid" by I.I. Lapshin (Moscow); "The VNIKOP Experimental Equipment for Ionization Processing of Food Products"

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by N.D. Chernyayev (Moscow); and "An Investigation of the Possible Application of Radioactive Radiation for Preserving the Albuminous Residue of Integumentary Whale Fat" by S.I. Tsypkin (Leningrad). The creative work conducted in the field of processing food by electrical methods was demonstrated by a large number of the reports delivered at the conference. In the majority of cases, this work was conducted at a high theoretical level by individuals and by teams of scientific and industrial workers. However, a number of reports were of doubtful theoretical and practical value and did not present any new information (for example those dealing with drying in a high frequency current field). Problems of work hygiene, shielding of devices and buildings and the elimination of radio interferences, were not considered at the conference. Especially the elimination of radio interferences may create the idea of an unreal simplicity of introducing some of the processing methods. After the discussion

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A Conference on Electrical Food Processing Methods

and the exchange of opinions on the reports, the conference participants worked out a number of resolutions, directed at the future development of electrical food processing methods. The most important resolution dealt with the coordination of the future work in the field of applying electrical processing technologies, the introduction of the latter, and the creation of typified projects and equipment. The propaganda for applying electrical processing methods in the food industry must be intensified by conducting regularly conferences and meetings on this subject. Further, scientific, technological, periodical and reference literature must be published.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut imeni V.I. Ul'yanova (Lenina) (Leningrad Institute of Electrical Engineering imeni V.I. Ul'yanov (Lenin))

SUBMITTED: November 3, 1958
Card 5/5

GOLOVIN, G.F., doktor tekhn. nauk, red.; DONSKOY, A.V., doktor tekhn. nauk, red.; SLUKHOTSKIY, A.Ye., kand. tekhn. nauk, red.; VOLOGDIN, Vs.V., dots., red.

[Industrial uses of high-frequency currents] Promyshlennoe primeneniye tokov vysokoi chastoty. Moskva, Mashinostroenie 1964. 331 p. (MIRA 17:7)

S/196/62/000/006/015/018
E194/E154

AUTHOR: Vologdin, V.V.

TITLE: Use of the analogue method for calculating the energy characteristics of heating in a high frequency electric field

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.6, 1962, 16, abstract 6 K89. (In the Symposium "Prom. primeneniye tokov vysokoy chastoty v elektrotermii" (The industrial use of high-frequency currents in thermoelectricity), M.-L., Mashgiz, 1961, 147-154).

TEXT: Analogue coefficients are obtained for calculating the energy characteristics of the process of welding thermoplastics with various values of weld length, width and thickness. Graphs are given of the relationship between the energy characteristics (power, energy loss, efficiency) of the process of a 2-layer welding of polyvinylchloride and weld length (100-300 mm) with variable width and thickness, and a heating
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Use of the analogue method for ...

S/196/62/000/006/015/018
E194/E154

time of five seconds. It is noted that the technological process does not always fully obey the law of the analogue. It may be that only some of the parameters that govern the process alter strictly in accordance with the assumed law when the treatment time, the dimensions and the treatment conditions are changed. ✓

[Abstractor's note: Complete translation.]

Card 2/2

PHASE I BOOK EXPLOITATION

588

Vologdin, Vl. V.

Vysokochastotnaya payka (High-frequency Brazing) Moscow, Mashgiz, 1954.
49 p. (Bibliotekha vysokochastotnika-termista, vyp. 13)
8,000 copies printed.

Ed.: Fogel', A.A., Candidate of Technical Sciences; Reviewer:
Korobkov, A.V., Candidate of Technical Sciences; Tech.Ed.:
Sokolova, L.V.; Managing Ed. for literature on construction and
use of machinery, Leningrad Branch of Mashgiz: Fetisov, F.I.,
Engineer.

PURPOSE: This booklet is intended for industrial personnel interested
in the application of high-frequency currents for purposes of
brazing.

COVERAGE: The essentials of the process of brazing by means of high
-frequency currents are given; existing methods of brazing,

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High-frequency Brazing

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together with their special features, are described; recommendations are made regarding choice of inductors and design of members for brazing; recommended fluxes and solders are listed and described; and special cases of brazing in a vacuum and in a reducing atmosphere are considered. There are 12 references, all Soviet. No personalities are mentioned.

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7. Examples of Brazed Connections		31
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AVAILABLE: Library of Congress

Card 3/3

GO/ad
9-15-58

BOGDANOV, V.N.; RYSKIN, S.Ye.; SHAMOV, A.N.; VOLODIN, V.V., inzhener,
retsensent; DONSKOY, A.V., professor, redaktor; VASIL'YEV, V.P.,
redaktor izdatel'stva; SOKOLOVA, L.V., tekhnicheskij redaktor

[Induction heating in forging] Induktsionnyi nagrev v kuznechnom
proizvodstve. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.
lit-ry, 1956. 198 p. (MLRA 9:8)
(Induction heating) (Forging)

VOLODIN, Vladimir Valentinovich; POGEL', A.A., kandidat tekhnicheskikh nauk, redaktor; SPITSIN, M.A., kandidat tekhnicheskikh nauk, redaktor; SLUKHOTSKIY, A.Ye., kandidat tekhnicheskikh nauk, redaktor; GLUKHANOV, N.P., kandidat tekhnicheskikh nauk, redaktor; BAMUNER, A.V. inzhener, redaktor; SIMONOVSKIY, M.Z., redaktor izdatel'stva; KHORO-SHAYLOV, V.G., kandidat tekhnicheskikh nauk, retsentsent; SYCHEVA, O.V. tekhnicheskii redaktor.

[Induction soldering]. Piska pri industriyennom nagreve. Izd. 2-ee, ispr. i dop. Red. A.A. Pogel'. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 66 p. (MLA 10:6)
(Induction heating) (Solder and soldering)

8(4)

SOV/112-59-3-5235

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 3, p 132 (USSR)

AUTHOR: Vologdin, V. V.

TITLE: Use of High-Frequency Induction Heating in Welding of Laminated-Plastic Wrapping Material (Primeneniye nagreva v elektricheskoy pole vysokoy chastoty dlya svarki zashchitnykh upakovok iz sloistnykh plastikov)

PERIODICAL: V sb.: Prom. primeneniye tokov vysokoy chastoty. Riga, 1957, pp 361-364

ABSTRACT: High-frequency heating can be justified from both technological and economic standpoints for some processes. One of them is seam welding of wrapping material made from laminated plastics. Usually the methods of joining such materials (sewing on the sewing machine, pasting together, welding with the seam heated by an external heat source) either result in a seam of inadequate strength and tightness or are expensive and of low productivity. By use of a semiautomatic machine, a 40-mc outfit for welding

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SOV/112-59-3-5235

Use of High-Frequency Induction Heating in Welding of Laminated-Plastic
elastic polyvinyl-chloride plastic sheets of about 0.25 mm thick, in two layers,
with a 3-mm seam width, produces 9,600 running meters of seam per day.
Comparative cost data are presented for high-frequency welding and electric-
heating welding.

I.N.G.

Card 2/2

YESSENBERLIN, Ravnak Yessenberlinovich; PETRAN', K.V., kand. tekhn. nauk,
retsensent; VOLODIN, Y.Y., inzh., red.; BORODULINA, I.A., red.
izd-va; POL'SKAYA, R., tekhn. red.

[Furnace brazing of metals in a gaseous atmosphere] Paika metallov
v pechakh s gazovoi sredoi. Moskva, Gos. nauchno-tekhn. izd-vo
mashinostroit. lit-ry, 1958. 93 p. (MIRA 11:10)
(Brasing)

VOLOGDIN, V.V.

Defrosting fruits and berries in a high-frequency electric field.
Izv. vys. ucheb. zav.; pishch. tekh. no.5:56-62 '61. (MIRA 15:1)

1. Leningradskiy elektrotekhnicheskii institut imeni V.I.Ul'yanova
(Lenina). Kafedra elektrotermicheskikh ustanovok.
(Fruit, Frozen)

NIKITINA, N.V.; VOLOGDIN, V.V.

Cintring metal-ceramic articles with high-frequency currents. Avt.
prom. 29 no. 29-41 F '63. (MIRA 16:2)

1. Nauchno-issledovatel'skiy institut avtomobil'noy promyshlennosti
i Nauchno-issledovatel'skiy institut tokov vysokoy chototy.
(Ceramic metals)

VOLOGDIN, Ya.I., inzh.

Safety engineering in constructing gas pipelines. Stroi.
truboprov. 6 no. 1:25-26 Ja '61. (MIRA 14:2)
(Pipelines--Safety measures)

VOLOGDIN, Ya.I.; MURAV'YEV, A.F.

Causes of accidents in loading and unloading operations. Stroi.
truboprov. 9 no.6:31 Je '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu
magistral'nykh truboprovodov.

VOLOGDIN, Ya.I., inzh.; KORSUN, Ye.P., ved. red.

[Safety measures in loading, unloading, stacking, and transporting steel pipes and sections] Tekhnika bezopasnosti pri razgruzke, pogruzke, ukladke i perevozke stal'nykh trub i seksii. Moskva, Izd-vo "Nedra," 1964. 70 p. (MIRA 17:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov.

Vologdina, F. G.

USSR/Diseases of Plants. Diseases of Cultivated Plants 0-3

Abs Jour : Ref Zhur-Biol., No 1, 1958, 1952

Author : Smol'yaninova N. K., Vologdina F. G.

Inst : Not given

Title : Double Petaled Black Currant and Measures of
its Control

Orig Pub : Sad i ogorod, 1957, No 4, 63-64

Abstract : No abstract

Card 1/1

NEMIROVSKIY, Ya.M.; VOLOGDINA-KASHINSKAYA, M.P.

Sviatoslav Alekseevich Durov; an obituary. Zhur. neorg.
khim. 9 no.3:513-519 Mr '64. (MIRA 17:3)

VOLOGDINA-KASHINSKAYA, M.P., dotsent, kand.khimicheskikh nauk

Tables of physical and chemical properties of elements.
Trudy NPI 47:169-176 '58. (MIRA 13:5)

1. Novocherkasskiy ordena Trudovogo Krasnogo Znameni
politekhnicheskiy institut imeni Sergo Ordzhonikidze;
kafedra neorganicheskoy i organicheskoy khimii.
(Chemical elements)

VOLOGDINA, M.P.

SOV-3-58-9-6/36

AUTHORS: Durov, S.A., Professor, Doctor of Chemical Sciences, and Bykov, I.Ya.; Vologdina, M.P.; Kravtsova, N.M.; Nemirovskiy, Ya.M.; Perova, N.I., and Torgashev, P.D., Candidates of Chemical Sciences

TITLE: The Training of Specialists in Chemistry - to Attain the Level of New Tasks (Khimicheskuyu podgotovku spetsialistov - na uroven' novykh zadach) Our Considerations (Nashi soobrazheniya)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 9, pp 28-29 (USSR)

ABSTRACT: The authors consider that the article of Professor I.N. Putilova and Docent G.A. Raytsyn in Nr 7 of this periodical was published at the proper time, as it substantiates the necessity to bring the teaching of chemistry closer to the speciality of the respective vtuz, to revise the theoretical part of the course's program and to entitle the various vuzes to compose their own programs according to their individual sections. The authors (personnel of the Chairs of Inorganic and Organic Chemistry of the Novocherkassk Polytechnical Institute) set forth in the present article their considerations on the suggestions of I.N. Putilova and G.A. Raytsyn and de-

Card 1/2

VOLOGIN, N.I.

Some facts on synanthropism and harmful activity of red-tailed
gerbil in Turkmenia. Izv. AN Turk. SSR. Ser: biol. nauk no.6:
92 161. (MIRA 15:1)

1. Turkmenskaya respublikanskaya protivochumnaya stantsiya.
(TURKMENISTAN...GERBILS)

BELYAYEV, I.A., inzh.; VOLOGIN, V.A., inzh.

Studying the action of current collectors on the overhead contact system at traffic speeds up to 200 km. per hour. Vest. TSNII ITS 25 no.1:6-9 '66. (MIRA 19:2)

KALININ, A.P., kand.med.nauk; VOLOGINA, N.A. (Kazan')

On the problem of hyperinsulinism. Probl.endok.i gorm. 5
no.5:93-96 S-0 '59. (MIRA 13:5)

1. Iz Kazanskoy psikhonevrologicheskoy bol'nitsy (glavnyy vrach
P.F. Davletshin) i II kafedry khirurgii (sav. - prof. P.V.
Kravchenko) Kazanskogo gosudarstvennogo instituta usoverhenstvo-
vaniya vrachey imeni V.I. Lenina.
(HYPERINSULINISM case reports)

VOLOGO, L.V., kand.med.nauk

Radioactive isotopes in the diagnosis and treatment of diseases
of the internal organs. Zdrav. bel. 8 no.1:20-24 Ja '62.

(MIRA 15:3)

1. Iz kafedry gosital'noy terapii (zaveduyushchiy kafedroy
- prof. G.Kh. Dovgyallo) Minskogo gosudarstvennogo meditsinskogo
instituta.

(RADIOISOTOPES--THERAPEUTIC USE)
(MEDICINE, INTERNAL)

VOLOGO, L. V. Cand ~~Med Sci~~ Med Sci -- (diss) "Cobalt, copper, and iron content in leukosis patients." Minsk, 1959. 16 pp (Minsk State Med Inst), 150 copies (KL, 46-59, 139)

59
-88-

DOVGYALLO, G.Kh.; VOLOGO, L.V.

Hypoplastic and aplastic anemias. Zdrav. Bel. 9 no.8:21-25
Ag'63 (MIRA 17:3)

1. Iz kafedry gospiatal'noy terapii (zav. - prof. G.Kh. Dov-
gyallo) Minskogo meditsinskogo instituta.

L1393

S/262/62/000/020/004/009
E194/E135

21.2/120

AUTHOR: Vologodskaya, V.M.

TITLE: Transient oscillations of a shaft and disc as function of excess engine torque

PERIODICAL: Referativnyy zhurnal, Silovyye ustanovki, no.20, 1962, 24, abstract 42.20.141. (In collection: "Vopr. dinamiki i prochnosti" no.7, Riga, AN Latv.SSR, 1961, 51-64)

TEXT: The influence of torque on transient oscillations of the shafts of aviation turbines is considered. The differential equations of motion of a rotating shaft with unbalanced disc are used, with the generalised asymptotic method of Bogolyubova-Mitropol'skiy, to obtain formulae for the amplitudes and phases of the oscillations. In several particular cases the systems of differential equations are integrated by means of an analogue computer type ЭМУ-8 (EMU-8). To set up the functions on the non-linear units the experimental curves of the relationships between the excess torques and the angular speed of rotation were

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Transient oscillations of a shaft... S/262/62/000/020/004/009
E194/E135

approximated by several linear segments. The error in approximation does not exceed the scatter of experimental results in determining the characteristics on engines. The variables which enter into the equation were reproduced in the form of d.c. voltages varying with time, interaction between which corresponded to relationships in the equations of the system. The initial conditions were allowed for at the outputs of the integrating units. The work gives most fully the amplitude curves for a free oscillation frequency of 350 c/s for various degrees of acceleration, various laws of change of angular speed, both with and without allowance for internal friction. The resonance curves could not be obtained for low accelerations because the model operated unstably. Results of solving the equations on the model were obtained in the form of voltages varying with time which were recorded on the screen of a galvanometer oscillograph. The curves only provide a qualitative picture of the effect. It is established that the amplitudes of the oscillation are greater when the rate of passing through resonance is less; the curves are displaced to the right hand side when the rate of

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Transient oscillations of a ...

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passing through resonance is increased. The amplitudes that correspond to greater excess torque in the region of resonance are less. At high levels of acceleration their changes cause no significant change in amplitude. Allowance for internal friction makes no significant difference in the nature of the oscillations. In the zone beyond resonance the oscillations are of the form of damped beats.

[Abstractor's note: Complete translation.]

3/3
Card 1/1

X

VOLOGODSKAYA, Z.A. (Kurgan)

Homework on physics. Fiz.v shkole 22 no.6:25-28 N-D '62.
(MIRA 16:2)

(Physics—Study and teaching)

VOLOGODSKIY, B. F., Cand Tech Sci -- (diss) "Engineering effects during the restoration of architectural landmarks," Moscow, 1960, 19 pp, (Institute of the Theory and History of Architecture and Construction Engineering, Academy of Construction and Architecture USSR)

(KL, 38-60, 107-108)

PAVLOV, Oleg Viktorovich; VOLOGODSKIY, German Panteleymonovich;
LESHCHIKOV, Fedor Nikolayevich; SOLONENKO, V.P., doktor
geol.-miner. nauk, otv. red.; PAL'SHIN, G.B., kand.
geol.-miner. nauk, otv. red.

[Engineering-geological characteristics of the Angara
industrial area and their importance in building; fracture
tectonics, karst and seasonal freezing of ground] Inzhenerno-
geologicheskie osobennosti Priangarskogo promyshlennogo
raiona i ikh znachenie dlia stroitel'stva; razryvnaia tekto-
nika, karst i sezonnaia merzlota. Moskva, Nauka, 1965. 145 p.
(MIRA 18:10)

ODINTSOV, M.M., doktor geol.-min. nauk, otv. red.; PAL'SHIN, G.B.,
kand. geol.-min. nauk, red.; LOGACHEV, N.A., red.;
PINNEKER, Ye.V., red.; GRECHISHCHEV, Ye.K., kand. tekhn.
nauk, red.; ASTRAKHANTSEV, V.I., red.; VOLOGODSKIY, G.P.,
red.; KUKUSHKIN, I.P., red.; FEDOROV, I.P., red.; TIZDEL',
R.R., red.; SEDOVA, N.G., red.; YERMAKOV, V.F., red.;
ASTAF'YEVA, G.A., tekhn. red.; POLYAKOVA, T.V., tekhn. red.

[Bratsk Reservoir; engineering geology of the territory]
Bratskoe vodokhranilishche; inzhenernaia geologiya territorii.
Moskva, Izd-vo AN SSSR, 1963. 274 p. (MIRA 16:12)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut zemnoy
kory.
(Bratsk Reservoir region--Engineering geology)

VOLOGODSKIY, G. P., Cand Geol-Min Sci -- "^{Karst}~~Caves~~ of the ^{southern}~~River~~
Angara ^{River}~~southern~~ region." Irkutsk, 1961. (Min of Higher
and Geo Spec Ed RSFSR. Irkutsk Polytech Inst) (KL, 8-61,
233)

PAVLOV, Oleg Viktorovich; VOLOGODSKIY, German Panteleymonovich;
LESHCHIKOV, Fedor Nikolayevich; SOLONENKO, V.P.,
doktor geol.-min. nauk, otv. red.; PAL'SHIN, G.B.,
kand. geol.-min. nauk, otv. red.

[Engineering geology characteristics of the Angara
industrial region and their significance for construc-
tion; fault tectonics, karst, and seasonal frost]
Inzhenerno-geologicheskie osobennosti priangarskogo pro-
myshlennogo raiona i ikh znachenie dlia stroitel'stva;
razryvnaia tektonika, karst i sezonnaia merzlota. Mo-
skva, Nauka, 1965. 145 p. (MIRA 18:12)

VOLOGODSKIY, V.B.

Energy spectrum of a system of interacting relativistic particles.
Trudy Fiz. inst. 29:139-150 '65. (MIPA 18:8)

SMIRNOV, A.P.; VOLOGZHANIN, Yu.N.

Traction substations without personnel on duty. Elek. i tepl. tiaga
no.8:18-20 Ag '63. (MIRA 16:9)

1. Nachal'nik Vladimirskogo uchastka energosnabzheniya Gor'kovskoy dorogi (for Smirnov).
 2. Starshiy elektromekhanik uchastka po teleupravleniyu Gor'kovskoy dorogi (for Vologzhanin).
- (Electric railroads--Substations) (Remote control)

VOLOGZHANIN, Yu. N.

Some remarks on a project. Elek. i tepl. tiaga no. 7:46
Jl '60. (MIRA 13:8)

1. Nachal'nik tyagovoy podstantsii Koloksha Gor'kovskoy
dorogi. (Electric railroads) (Electric transformers)

VOLOGZHANIN, Yu.N., inzh.

New system for protecting electric lines from contact to ground.
Elek. i topl. tiaga 3 no.3:17-18 Mr '59.

(MIRA 12:5)

(Electric lines) (Electric currents--Grounding)

VOLOGZHANINA, T. V., Candidate Agric Sci (diss) -- "The dark soils of the Kungur-Krasnoufimsk forest steppe". Perm', 1959. 24 pp (Min Agric USSR, Perm' State Agric Inst im Acad D. N. Pryanishnikov), 130 copies (KL, No 23, 1959, 169)

S/113/60/000/005/004/004
D264/D301

AUTHORS: Rezvov, K.M., Pavlyuchuk, A.I., Candidates of Technical Sciences, Panin, G.I., Vologzhaninov, N.I., Shkol'nik, A.M., Yakovlev, I.S. and Volkov, L.I.

TITLE: Thermal high frequency welding of plastic carburettor floats

PERIODICAL: Avtomobil'naya promyshlennost', no. 5, 1960, 41-43

TEXT: TsNITA has developed a device for the thermal high-frequency welding of carburettor floats made of polycaprolactam. Plain thermal welding was tried but failed to give a reliable hermetic seal. Gluing gave a good seal but required a prolonged drying time. The device (Fig. 3) consists of an ЛГА-1 (LGD-1) high-frequency generator and a semi-automatic welding machine. The use of 2 generator tubes gives a power of 1 kw and a working frequency of 25 Mc. Power from the electric motor 4 is transmitted via a gear train and screw gear to the coaxially mounted cams 5 and 6. The spindle 1 derives its reciprocation from cam 6, while cam 5 serves to trim off the

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Thermal high frequency welding...

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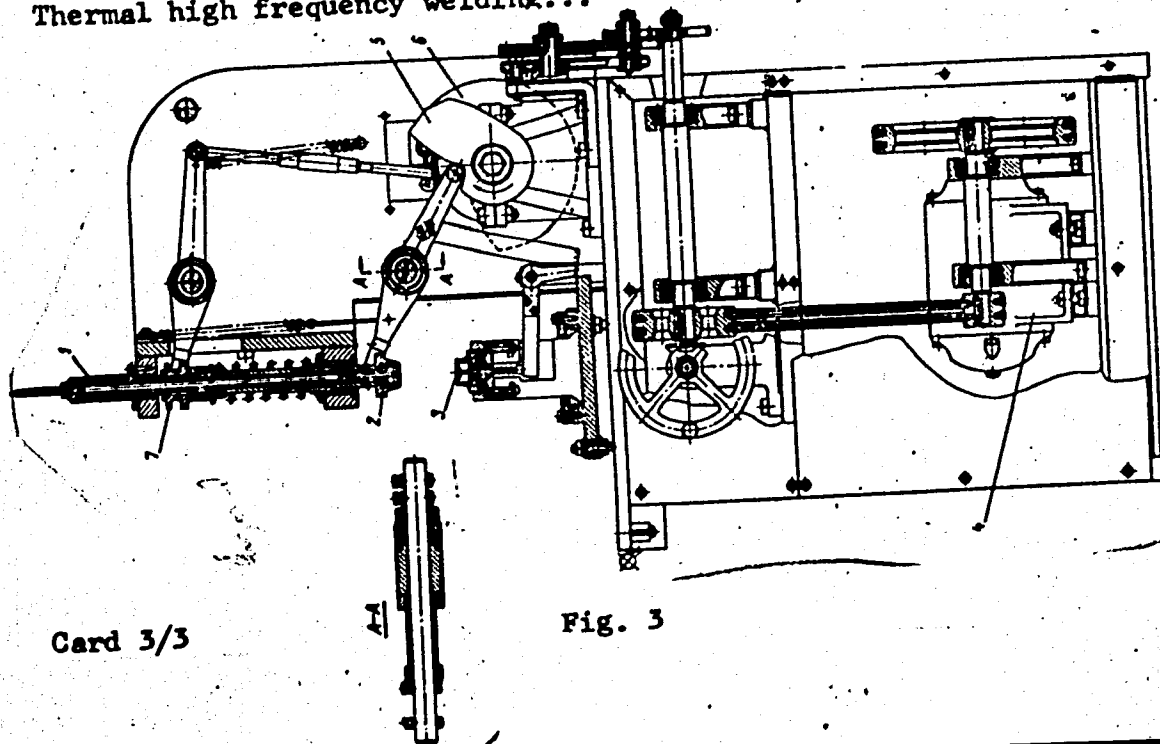
outer beading and eject the welded float from the bottom punch 3. Welding is regulated by adjusting the gap between the top and bottom punches 2 and 3 (by adjusting the carriage 7) and by varying the feed-back inductance. The punch faces must be positioned in parallel, with a divergence of not more than 0.02-0.03 mm. The punches are also set to ensure the formation of a slight beading of the seam inside the float, since this makes for greater hermeticity. Welding time varies from 5 to 12 seconds, depending on the float size. The method is recommended for introduction in Soviet automobile plants. There are 3 diagrams.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy i konstruktor-skiy institut toplivnoy apparatury avtotraktornykh i statsionarnykh dvigateley (Central Scientific Research and Design Institute for the Fuel Apparatus of Automotive and Stationary Engines)

Card 2/3

Thermal high frequency welding...

S/113/60/000/005/004/004
D264/D301



REZVOV, K.M., kand.tekhn.nauk; PAVLYUCHUK, A.I.; VOLOGZHANINOV, N.I.;
SHKOL'NIK, A.M.; PANIN, G.I.; YAKOVLEV, I.S.

Plastic carburetor floats. Avt.prom. no.2:26-27 F '60.
(MIRA 13:5)

1. Filial Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo
Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo
instituta po toplivnoy apparature.
(Automobiles--Engines--Carburetors)

VOLOGZHANINOV, Yu.I. (Kiyev); SHOKOT'KO, S.G. (Kiyev)

Using the photoelastic method in investigating the stressed state
around elliptical holes in cylindrical shells. Prikl. mekh. 1
no.8:63-67 '65. (MIRA 18:9)

1. Kiyevskiy gosudarstvennyy universitet.

VOLOCHOV, A.

Regularities of ontogenetic development of the functions of the nervous system.
Tr. from the Russian. p. 458. TÁRSASZAI ÉS TÁRSADALOM. (Társadalom- és Termes-
zettudományi Ismeretterjesztő Vallalat) Budapest. Vol. 113, no. 8, Aug. 1954.

SOURCE: East European Accessions List (EEAL), Library of Congress
Vol. 5, no. 6, June 1956

VOLOHOV, N.

Combustion of lignite in a thicker layer from beneath on a furnace grate. p. 193.

ZBORNIK RADOVA. (Srpska akademija nauka. Masinski institut.)
Beograd, Yugoslavia. Vol. 60, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

VOLOHOV, Nikolaj, visi naucni saradnik (Beograd, Knez Mihailova 35)

Measuring quantity of consumed heat in the hot-water heating system by using the water flowmeter only. Tehnicka Jug 18 no.10: 1803-1804 0'63.

1. Masinski institut, Srpske akademije nauka, Beograd.

VOLOHOV, Nikolaj I.[Volokhov, Nikola I.], visi naucni saradnik

Combustion of lignite in thin layers. Zbornik rad Mas inst SAN
no.70:61-90 '61.

1. Masinski institut Srpske akademije nauka i umetnosti.

(Lignite) (Combustion)

VOLOHOV, Nikola; I. [Volokhov, Nikolay I.], inzinjer, visi naucni saradnik

Combustion of lignite in a thicker layer, lighted from above on an ordinary furnace grate. Zbornik rad Mas inst SAN no.70:103-120 '61.

1. Masinski institut Srpske akademije nauka i umetnosti.

(Combustion) (Lignite)

VOLOKHIN, V.R.

Principles of the genetic classification of soils. Pochvovedenie
no.12:1-16 0 '64. (MIRA 18:2)

1. Institut pochvovedeniya i agrokhimii, Baku.

VOLOKANSKAYA, V. F.

24375 · VOLOKANSKAYA, V. F. O vyzhivayemosti mikrobov dizenterijnoy gruppy v
nyasnykh blyudakh. Vracheb. Delo, 1949, No. 8, STB. 717-20.

SO: Letopis, No. 32, 1949.

18

VELOKH, A.

Separation of dusting from nonconducting carbon blacks and its control. V. Shumskii and A. Velokh. *Caoutchouc and Rubber* (U. S. S. R.) No. 3, 1963. Descriptive. Bernard Kilberg

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM STATION

SECURITY MAP ONE 101

FROM SOURCE

WILLIT ONE ONE 101

- [illegible]

SKLOVSKIY, A.M.; VOLOKH, A.G.; KARPOV, P.A.; KONDRAT'YEVA, M.G.; LYASHENKO, A.I.; FEDOROVA, T.I.; SHEVCHENKO, V.I.

Devonian sediments of the western part of the northern Caspian oil- and gas-bearing basin. [Trudy] NILneftegaza no.10:127-181 '63. (MIRA 18:3)

1. Nauchno-issledovatel'skaya laboratoriya geologicheskikh kriteriyev otsenki perspektiv neftegazonosnosti; Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut; Nizhnevolzhskiy nauchno-issledovatel'skiy institut geologii i geofiziki i Volgogradskiy nauchno-issledovatel'skiy institut neftyanoy i gazovoy promyshlennosti.

1. VOLCKH, D. M.
2. USSR (600)
4. Generative Organs, Female
7. Intra-arterial blood injection in mortal blood loss in obstetric and gynecological practice. Akush i gin nc. 6 1952

Monthly Lists of Russian Accessions, Library of Congress, March, 1953, Unclassified.

VOLOKH, D.M.; TKACHUK, F.M.

True placenta accreta. Fed., akush. i gin. 20 no.2:55-56 '58.
(MIRA 13:1)

1. Zhorovskaya raionnaya bol'nitsa Tarnopol'skoy oblasti.
(PLACENTA) (LABOR, COMPLICATED)

VOLOKH, D.M., kand.med.nauk;

Psychoprophylactic preparation of gravidas for labor in rural
obstetrical institutions of Poltava Province. Ped., akush.
i gin. 25 no.2:38-40'63. (MIRA 16:9)

1. Golovniy akusher-ginekolog Poltavs'kogo oblastnogo viddilu
okhroni zdorov'ya.
(POLTAVA PROVINCE--CHILDBIRTH--PSYCHOLOGY)

VOLOKH, D.M.; NAGORSKAYA, V.G. [Nahors'ka, V.H.]; Palyukh, A.P.

Rare case of abnormal female genitalia. Ped., akush. i gin. 20
no.5:59-60 '58. (MIRA 13:1)

1. Ginekologicheskii ordel (zav. - D.M. Volokh) Iutskoy gorodskoy
bol'nitsy Volynskoy oblasti.

(GENERATIVE ORGANS, FEMALE--ABNORMITIES AND DEFORMITIES)

VOLOKH, D.M.; GLADSHTEYN, Yu.M. [Hladshtein, IU.M.]

Hemorrhage in labor and the influence of various factors on it.
Ped. akush. i gin. 22 no. 1:39-42 '60. (MIRA 13:8)

1. Glavnyy akusher-ginekolog Poltavskogo oblzdravotdela, g.
Zaporozh'ye.
(HEMORRHAGE, UTERINE)

RYABYSHENKO, O. B.; VOLOKH, D. M.

Ternopol' Province - Obstetrics

Work experience of rural obstetrical organizations in Ternopol' Province. *Fel'd.i akush*, no. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

VOLOKH, D.M.; TSIVINSKIY, Ye.Y. [TSyvins'kyl, IE.I] (Poltava)

Prevention and treatment of terminal states in obstetrics and
gynecology. Ped., akush. i gin. 24 no.1:45-46'62.(MIRA 16:8)
(DEATH, APPARENT) (HEMORRHAGE, UTERINE)

VOLOKH, I.A., inzh.; ZAYETSEV, Kh.P., inzh.

Economic indices of the use in ferrous metallurgy of products of
various methods of processing Kerch deposit "tobacco" ores. Met.
i gornorud. prom. no.3:50-55 My-Je '63: (MIRA 17:1)

1: Institut chernoy metallurgii Gosudarstvennogo komiteta po chernoy
i tsvetnoy metallurgii pri Gosplane SSSR;

VOLOKH, I. A.

KAGAN, I.S., dots.; ZAYTSEV, Kh.P., dots.; SNAGOVSKAYA, N.S., kand.
tekhn.nauk; VOLKOVA, Ye.N., inzh.; VOLOKH, I.A., inzh.

Economic evaluation of the use of pellets in blast furnace
smelting. Izv.vys.ucheb.zav.; chern.met. 2 no.6:145-154
Ja '59. (MIRA 13:1)

1. Dnepropetrovskiy metallurgicheskiy institut, Rekomendovano
kafedroy ekonomiki promyshlennogo Dnepropetrovskogo metallurgi-
cheskogo instituta.
(Blast furnaces) (Sintering)

AUTHORS: Zaytsev, Kh.P., Docent, Volokh, I.A. and ^{SOV/133-59-5-1/31}
Vorogushina, Z.N.

TITLE: Blending of Iron Ores at Iron and Steel Works (Usredneniye
zheleznykh rud na metallurgicheskikh zavodakh)

PERIODICAL: Stal', 1959, Nr 5, pp 385 - 389 (USSR)

ABSTRACT: An investigation of the supply of ores to Ukrainian
iron and steel works has been carried out. It was found
that averaging the composition of ores by blending is,
on the whole, insufficient. Disadvantages, in supplying
a given works from a number of mines, are stressed as it
was found that in some cases the variability in the
composition of ores blended at the works was higher than
that of deliveries from a given mine. Non-uniformity
in deliveries of ores (in respect to quality and quantity)
and insufficient ore stocks at works make blending
problems more difficult. At works where the blending of
ores is practised, the mean variation in the iron content
of the ore burden is maintained within a range of $\pm 1\%$.
If the deficiencies in the organisation of supplying
works with ores are rectified, the variability in the iron

Card1/2

SOV/133-59-5-1/31

Blending of Iron Ores at Iron and Steel Works

content of ores charged to the furnaces can be
reduced to ± 0.5 to $\pm 0.7\%$.

There are 6 figures and 2 tables.

ASSOCIATION: Dnepropetrovskiy metallurgicheskiy institut
(Dnepropetrovsk Metallurgical Institute)

Card 2/2

YEMEL'YANOV, A.V.; MOLOKH, T.A.

Investigating the economic efficiency of using a combined blowing
in blast furnace practice using the method of correlation analysis.
Izv. vys. ucheb. zap. chern. met. 8 no.10:170-176 '65.
(MIRA 18:9)

1. Institut chernoy metallurgii Gosudarstvennogo komiteta po
chernoy i tsvetnoy metallurgii pri Gosplane SSSR.

VOLOKH, I.A.

Mechanically driven device for machinery lubrication. Torf. prom.
35 no. 4:34 '58. (MIRA 11:7)

1. Gubinskoye torfopredpriyatiye.
(Lubrication and lubricants)

YEDIGAROV, S.G.; VOLOKH, I.B.; RASHCHEPKIN, K.Ye.; MAYSKIY, A.A.;
VALEYEV, E.Kh.; LOGVINOV, G.I.; ISMAGILOVA, F.Kh.

Excavator for uncovering pipelines in the ground. Transp. i khran.
nefti i nefteprod. no.10:12-14 '64.

(MIRA 17:12)

1. Nauchno-issledovatel'skiy institut po transportu i khraneniyu
nefti i nefteproduktov.

VOLOKHOV, I.M.; DOVGAL', V.N.; KOSYGIN, Yu.A.; KUZNETSOV, V.A.;
LUCHITSKIY, I.V.; POSPELOV, G.L.; POLYAKOV, G.V.; PINUS, G.V.;
SOBOLEV, V.S.; TROFIMUK, A.A.; SHAKHOV, F.N.

Professor IUrii Alekseevich Kuznetsov, Corresponding Member of the
Academy of Sciences of the U.S.S.R.; on his 60th birthday. Geol.
i geofiz. no.4:135-140 '63. (MIRA 16:10)

VQLOKH, I.V.

Peroral hexenal anesthesia under conditions of the district hospital.
Zdrav. Bel. 7 no. 4:62-64 Ap '61. (MIRA 14:4)

1. Iz khirurgicheskogo otdeleniya (zaveduyushchiy - I.V. Vokokh)
Myadel'skoy rayonnoy bol'nitsy (glavnyy vrach A.G. Bonzhanova).
(HEXOBARBITAL)

ALEKHA NOV, V., master-vzryvnik; TOKAR', A., rabochiy ochistnogo zaboya
VOLOKH, L., elektroslesar'

Miner settled in a dormitory. Sov.shakht. 10 no.3:36-37 Mr '61.
(MIRA 14:7)

1. Predsedatel' soveta obshchezhitia No.7, shakhtoupravleniya
No.6 "Kapital'noye", g. Stalino (for Alekhanov).
(Coal miners) (Dormitories)

VOLOKH, Pavel Pavlovich

[Our dairy section] Masha molechno-tovarnaia ferma. [Saratov]
Saratovskoe kn-vo, 1955. 13 p. (MLRA 9:11)
(Dairying) :

VOLOKH, S.M.

Increasing the heating surface of evaporator bodies of the Kestner
system. Sakh.prom. 28 no.1:34-35 '54. (MLRA 7:3)

1. Kapitanovskiy sakharnyy zavod.

(Sugar machinery)

VOLOKH, S.M.

Mechanical unloading of trucks. Sakh.prom. 28 no.5:20-21 '54.

(MLRA 7:9)

1. Sapitanovskiy sakharnyy zavod.
(Loading and unloading)

VOLOKH, S.M.

Limestone crushing in the Kapitanovka Sugar Refinery. Sakh. prom. 31
no.6:40-41 Je '57. (MIRA 10:6)

1. Kapitanovskiy sakharный zavod.
(Sugar industry--Equipment and supplies)

CA

PROCESSING AND PREPARATION

Gasoline bubble tower. S. M. VOLOKH, M. M. LAVKIN and Yu. E. EMUL. Russ. 26,304, Jan. 23, 1929. A bubbling app. consists of several towers, of which the first is equipped with a separator with plates for sepp. liquid particles that were carried off, and with scrubbers with a condenser for a preliminary rectification, while the second and the succeeding bubble towers have in addn. to a scrubber and condenser, a tubular evaporator heated by the hot condensate derived from the preceding bubble towers.

ASS. S. S. A. DETALLINGKAL LITERATURE CLASSIFICATION

OPEN

CONDENSER

SEPARATOR

EVAPORATOR

SCHEMATIC

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2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187

22

Reconstruction of old crude-oil batteries. R. V. Vlasov. *Doklady Akad. Nauk SSSR* 1931, No. 11-12, 50-51. V. advocates the reconstruction of the 1A shell-still battery, by breaking it up into 5 units consisting of 3 stills each. Each unit is provided with one bubble tower contg. packing and each tower is flushed with the condensate from the preceding tower. A good sepn. of gasoline, heavy naphtha and kerosene is expected from this arrangement.

A. A. BOKUTINGA

ASS-3LA METALLURGICAL LITERATURE CLASSIFICATION

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CO

— Lubricating-oil problems in the Baku district and their possible solution. S. M. 22

VOLOKH. *Repts. Lubricating Oil Commission U. S. S. R. 2, 94-101(1932).*—Various Baku fuel oils were distd., giving the following av. yields of individual distillates: Gas oil 5.92%, heavy gas oil 1.00%, extra heavy gas oil 1.10%, export machine oil distillate 12.82%, ordinary machine oil distillate 8.20% and various cylinder stocks 4.90%. The treatment was effected with H_2SO_4 , NaOH and water glass. The required technical improvements to meet the increasing demands for lubricants are discussed in detail and tabulated. A. A. BORHILINSKY

ASS. SLA METALLURGICAL LITERATURE CLASSIFICATION

| 1ST AND 2ND ORDERS | | | | | | | | | | 3RD AND 4TH ORDERS | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--------------------|--|--|--|--|--|--|--|--|--|
| PROCESSES AND PROPERTIES INDEX | | | | | | | | | | | | | | | | | | | |
| <p>22</p> <p>Dehydrating crude oil. S. Vukob. Azerbaidzhanskoe Neftyanoe Khozyaystvo 1933, No. 5, 60-72.—Difficulties experienced in various refineries through the contamination of crude oil with water and other admixts. are discussed. It was found that the ash content of crude oil is lower than the total of admixts., the latter being composed mainly of naphthenic acids or their soaps. The sepn. of these admixts. by heating the crude oil in heat exchangers is discussed and various improvements are suggested. A. A. Mikhlin</p> | | | | | | | | | | | | | | | | | | | |
| ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION | | | | | | | | | | SIGNI BOWERY | | | | | | | | | |
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